

3/11

SEQ ID NO. 6:

ATG ATC CTC GAT ACA GAC TAC ATA ACT GAG GAT GGA AAG CCC GTC ATC 48
TAC TAG GAG CTA TGT CTG ATG TAT TGA CTC CTA CCT TTC GGG CAG TAG 48
M I L D T D Y I T E D G K P V I 16

AGG ATC TTC AAG AAG GAG AAC GGC GAG TTC ACC ATA GAC TAC GAC AGA 96
TCC TAG AAG TTC TTC CTC TTG CCG CTC AAG TGG TAT CTG ATG CTG TCT 96
R I F K K E N G E F T I D Y D R 32

AAC TTT GAG CCA TAC ATC TAC GCG CTC TTG AAG GAC GAC TCT CCG ATT 144
TTG AAA CTC GGT ATG TAG ATG CGC GAG AAC TTC CTG CTG AGA GGC TAA 144
N F E P Y I Y A L L K D D S P I 48

GAG GAC GTC AAG AAG ATA ACT GCC GAG AGG CAC GGC ACT ACC GTT AGG 192
CTC CTG CAG TTC TTC TAT TGA CGG CTC TCC GTG CCG TGA TGG CAA TCC 192
E D V K K I T A E R H G T T V R 64

GTT GTC AGG GCC GAG AAA GTG AAG AAG AAG TTC CTA GGC AGG CCG ATA 240
CAA CAG TCC CGG CTC TTT CAC TTC TTC TTC AAG GAT CCG TCC GGC TAT 240
V V R A E K V K K F L G R P I 80

GAG GTC TGG AAG CTC TAC TTC ACT CAC CCC CAG GAC GTT CCC GCA ATC 288
CTC CAG ACC TTC GAG ATG AAG TGA GTG GGG GTC CTG CAA GGG CGT TAG 288
E V W K L Y F T H P Q D V P A I 96

FIG. 3

4/11

AGG GAC AAG ATA AAG GAG CAT CCT GCC GTT GTG GAC ATC TAC GAG TAC	336
TCC CTG TTC TAT TTC CTC GTA GGA CGG CAA CAC CTG TAG ATG CTC ATG	336
R D K I K E H P A V V D I Y E Y	112
GAC ATC CCC TTC GCG AAG CGC TAC CTC ATA GAC AAA GGC TTA ATC CCG	384
CTG TAG GGG AAG CGC TTC GCG ATG GAG TAT CTG TTT CCG AAT TAG GGC	384
D I P F A K R Y L I D K G L I P	128
ATG GAG GGC GAC GAG GAA CTT AAG ATG CTC GCC TTC GAC ATC GAG ACG	432
TAC CTC CCG CTG CTC CTT GAA TTC TAC GAG CGG AAG CTG TAG CTC TGC	432
M E G D E E L K M L A F D I E T	144
CTC TAT CAC GAG GGC GAG GAG TTC GCC GAA GGG CCT ATC CTG ATG ATA	480
GAG ATA GTG CTC CCG CTC CTC AAG CGG CTT CCC GGA TAG GAC TAC TAT	480
L Y H E G E E F A E G P I L M I	160
AGC TAC GCC GAC GAG GAA GGG GCG CGC GTT ATT ACC TGG AAG AAT ATC	528
TCG ATG CGG CTG CTC CTT CCC CGC GCG CAA TAA TGG ACC TTC TTA TAG	528
S Y A D E E G A R V I T W K N I	176
GAC CTT CCC TAT GTC GAC GTC GTT TCC ACC GAG AAG GAG ATG ATA AAG	576
CTG GAA GGG ATA CAG CTG CAG CAA AGG TGG CTC TTC CTC TAC TAT TTC	576
D L P Y V D V V S T E K E M I K	192
CGC TTC CTC AAG GTC GTC AAG GAA AAG GAT CCC GAC GTC CTC ATA ATC	624
GCG AAG GAG TTC CAG CAG TTC CTT TTC CTA GGG CTG CAG GAG TAT TAG	624
R F L K V V K E K D P D V L I I	208

FIG. 3
(Continued)

5/11

TAC AAC GGC GAC AAC TTC GAC TTC GCC TAC CTC AAG AAG CGC TCC GAG 672
ATG TTG CCG CTG TTG AAG CTG AAG CGG ATG GAG TTC TTC GCG AGG CTC 672
Y N G D N F D F A Y L K K R S E 224

AAG CTC GGA GTC AAG TTC ATC CTC GGA AGG GAA GGG AGC GAA CCG AAA 720
TTC GAG CCT CAG TTC AAG TAG GAG CCT TCC CTT CCC TCG CTT GGC TTT 720
K L G V K F I L G R E G S E P K 240

ATC CAG CGC ATG GGC GAT CGC TTT GCG GTG GAG GTC AAG GGA AGG ATT 768
TAG GTC GCG TAC CCG CTA GCG AAA CGC CAC CTC CAG TTC CCT TCC TAA 768
I Q R M G D R F A V E V K G R I 256

CAC TTC GAC CTC TAC CCC GTC ATT AGG AGA ACG ATT AAC CTC CCC ACT 816
GTG AAG CTG GAG ATG GGG CAG TAA TCC TCT TGC TAA TTG GAG GGG TGA 816
H F D L Y P V I R R T I N L P T 272

TAC ACC CTT GAG GCA GTA TAT GAA GCC ATC TTT GGA CAG CCG AAG GAG 864
ATG TGG GAA CTC CGT CAT ATA CTT CGG TAG AAA CCT GTC GGC TTC CTC 864
Y T L E A V Y E A I F G Q P K E 288

AAG GTC TAC GCT GAG GAG ATA GCG CAG GCC TGG GAA ACG GGC GAG GGA 912
TTC CAG ATG CGA CTC CTC TAT CGC GTC CGG ACC CTT TGC CCG CTC CCT 912
K V Y A E E I A Q A W E T G E G 304

TTA GAA AGG GTG GCC CGC TAC TCG ATG GAG GAC GCG AAG GTA ACC TAT 960
AAT CTT TCC CAC CGG GCG ATG AGC TAC CTC CTG CGC TTC CAT TGG ATA 960
L E R V A R Y S M E D A K V T Y 320

FIG. 3
(Continued)

6/11

GAA CTC GGA AAA GAG TTC TTC CCT ATG GAA GCC CAG CTC TCG CGC CTC 1008
CTT GAG CCT TTT CTC AAG AAG GGA TAC CTT CGG GTC GAG AGC GCG GAG 1008
E L G K E F P M E A Q L S R L 336

GTA GGC CAG AGC CTC TGG GAT GTA TCT CGC TCG AGT ACC GGA AAC CTC 1056
CAT CCG GTC TCG GAG ACC CTA CAT AGA GCG AGC TCA TGG CCT TTG GAG 1056
V G Q S L W D V S R S S T G N L 352

GTC GAG TGG TTT TTG CTG AGG AAG GCC TAC GAG AGG AAT GAA CTT GCA 1104
CAG CTC ACC AAA AAC GAC TCC TTC CGG ATG CTC TCC TTA CTT GAA CGT 1104
V E W F L L R K A Y E R N E L A 368

CCA AAC AAG CCG GAC GAG AGG GAG CTG GCA AGA AGA AGG GAG AGC TAC 1152
GGT TTG TTC GGC CTG CTC TCC CTC GAC CGT TCT TCT TCC CTC TCG ATG 1152
P N K P D E R E L A R R R E S Y 384

GCG GGT GGA TAC GTC AAG GAG CCC GAA AGG GGA CTG TGG GAG AAC ATC 1200
CGC CCA CCT ATG CAG TTC CTC GGG CTT TCC CCT GAC ACC CTC TTG TAG 1200
A G G Y V K E P E R G L W E N I 400

GTG TAT CTG GAC TTC CGC TCC CTG TAT CCT TCG ATA ATA ATC ACC CAT 1248
CAC ATA GAC CTG AAG GCG AGG GAC ATA GGA AGC TAT TAT TAG TGG GTA 1248
V Y L D F R S L Y P S I I I T H 416

AAC GTC TCC CCT GAT ACA CTC AAC AGG GAG GGT TGT GAG GAG TAC GAC 1296
TTG CAG AGG GGA CTA TGT GAG TTG TCC CTC CCA ACA CTC CTC ATG CTG 1296
N V S P D T L N R E G C E E Y D 432

FIG. 3
(Continued)

7/11

GTG GCT CCT CAG GTA GGC CAT AAG TTC TGC AAG GAC TTC CCC GGC TTC 1344
CAC CGA GGA GTC CAT CCG GTA TTC AAG ACG TTC CTG AAG GGG CCG AAG 1344
V A P Q V G H K F C K D F P G F 448

ATC CCA AGC CTC CTC GGA GAC CTC TTG GAG GAG AGA CAG AAG GTA AAG 1392
TAG GGT TCG GAG GAG CCT CTG GAG AAC CTC CTC TCT GTC TTC CAT TTC 1392
I P S L L G D L L E E R Q K V K 464
AAG AAG ATG AAG GCC ACT ATA GAC CCA ATC GAG AAG AAA CTC CTC GAT 1440
TTC TTC TAC TTC CGG TGA TAT CTG GGT TAG CTC TTC TTT GAG GAG CTA 1440
K K M K A T I D P I E K K L L D 480

TAC AGG CAA CGA GCA ATC AAA ATC CTT GCT AAT AGC TTC TAC GGT TAC 1488
ATG TCC GTT GCT CGT TAG TTT TAG GAA CGA TTA TCG AAG ATG CCA ATG 1488
Y R Q R A I K I L A N S F Y G Y 496

TAC GGC TAT ACA AAG GCC CGC TGG TAC TAC AAG GAG TGC GCC GAG AGC 1536
ATG CCG ATA TGT TTC CGG GCG ACC ATG ATG TTC CTC ACG CGG CTC TCG 1536
Y G Y T K A R W Y Y K E C A E S 512

GTT ACC GGT TGG GGC AGG GAG TAC ATC GAG ACC ACG ATA AGG GAA ATA 1584
CAA TGG CCA ACC CCG TCC CTC ATG TAG CTC TGG TGC TAT TCC CTT TAT 1584
V T G W G R E Y I E T T I R E I 528

GAG GAG AAA TTT GGC TTT AAA GTC CTC TAC GCG GAC ACA GAT GGA TTT 1632
CTC CTC TTT AAA CCG AAA TTT CAG GAG ATG CGC CTG TGT CTA CCT AAA 1632
E E K F G F K V L Y A D T D G F 544

TTC GCA ACA ATA CCT GGA GCG GAC GCC GAA ACC GTC AAA AAG AAG GCA 1680
AAG CGT TGT TAT GGA CCT CGC CTG CGG CTT TGG CAG TTT TTC CGT 1680
F A T I P G A D A E T V K K K A 560

FIG. 3
(Continued)

8/11

AAG GAG TTC CTG GAC TAC ATC AAC GCC AAA CTG CCC GGC CTG CTC GAA	1728
TTC CTC AAG GAC CTG ATG TAG TTG CGG TTT GAC GGG CCG GAC GAG CTT	1728
K E F L D Y I N A K L P G L L E	576
CTC GAA TAC GAG GGC TTC TAC AAG CGC GGC TTC TTC GTG ACG AAG AAG	1776
GAG CTT ATG CTC CCG AAG ATG TTC GCG CCG AAG AAG CAC TGC TTC TTC	1776
L E Y E G F Y K R G F F V T K K	592
AAG TAC GCG GTT ATA GAC GAG GAG GAC AAG ATA ACG ACG CGC GGG CTT	1824
TTC ATG CGC CAA TAT CTG CTC CTC CTG TTC TAT TGC TGC GCG CCC GAA	1824
K Y A V I D E E D K I T T R G L	608
GAA ATA GTT AGG CGT GAC TGG AGC GAG ATA GCG AAG GAG ACG CAG GCG	1872
CTT TAT CAA TCC GCA CTG ACC TCG CTC TAT CGC TTC CTC TGC GTC CGC	1872
E I V R R D W S E I A K E T Q A	624
AGG GTT CTT GAG GCG ATA CTA AAG CAC GGT GAC GTT GAA GAA GCG GTA	1920
TCC CAA GAA CTC CGC TAT GAT TTC GTG CCA CTG CAA CTT CTT CGC CAT	1920
R V L E A I L K H G D V E E A V	640
AGG ATT GTC AAA GAG GTT ACG GAG AAG CTG AGC AAG TAC GAG GTT CCA	1968
TCC TAA CAG TTT CTC CAA TGC CTC TTC GAC TCG TTC ATG CTC CAA GGT	1968
R I V K E V T E K L S K Y E V P	656
CCG GAG AAG CTG GTC ATC TAC GAG CAG ATA ACC CGC GAC CTG AAG GAC	2016
GGC CTC TTC GAC CAG TAG ATG CTC GTC TAT TGG GCG CTG GAC TTC CTG	2016
P E K L V I Y E Q I T R D L K D	672

FIG. 3
(Continued)

9/11

TAC AAG GCC ACC GGG CCG CAT GTG GCT GTT GCA AAA CGC CTC GCC GCA 2064
ATG TTC CGG TGG CCC GGC GTA CAC CGA CAA CGT TTT GCG GAG CGG CGT 2064
Y K A T G P H V A V A K R L A A 688

AGG GGG ATA AAA ATC CGG CCC GGA ACG GTC ATA AGC TAC ATC GTG CTC 2112
TCC CCC TAT TTT TAG GCC GGG CCT TGC CAG TAT TCG ATG TAG CAC GAG 2112
R G I K I R P G T V I S Y I V L 704

AAA GGC TCG GGA AGG ATT GGG GAC AGG GCT ATA CCC TTT GAC GAA TTT 2160
TTT CCG AGC CCT TCC TAA CCC CTG TCC CGA TAT GGG AAA CTG CTT AAA 2160
K G S G R I G D R A I P F D E F 720

GAC CCG GCA AAG CAC AAG TAC GAT GCA GAA TAC TAC ATC GAG AAC CAG 2208
CTG GGC CGT TTC GTG TTC ATG CTA CGT CTT ATG ATG TAG CTC TTG GTC 2208
D P A K H K Y D A E Y Y I E N Q 736

GTT CTT CCA GCT GTG GAG AGG ATT CTG AGG GCC TTT GGT TAC CGT AAA 2256
CAA GAA GGT CGA CAC CTC TCC TAA GAC TCC CGG AAA CCA ATG GCA TTT 2256
V L P A V E R I L R A F G Y R K 752

GAA GAT TTA AGG TAT CAG AAA ACG CGG CAG GTT GGC TTG GGG GCG TGG 2304
CTT CTA AAT TCC ATA GTC TTT TGC GCC GTC CAA CCG AAC CCC CGC ACC 2304
E D L R Y Q K T R Q V G L G A W 768

CTA AAA CCT AAG ACA TGA 2322
GAT TTT GGA TTC TGT ACT 2322
L K P K T * 773

FIG. 3
(Continued)

10/11

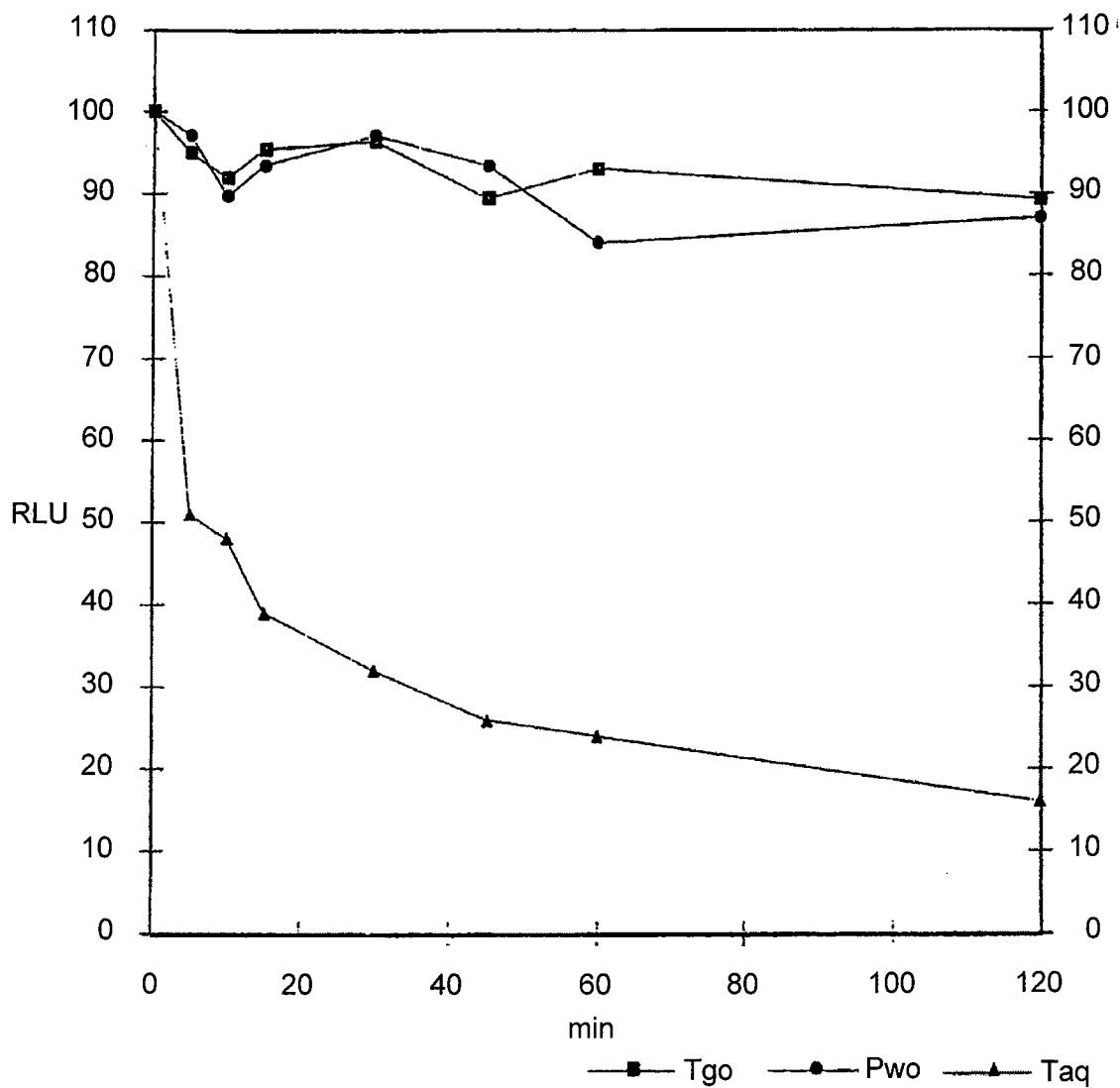


FIG. 4